

What is claimed is:

1. A mounting device for mounting fans to an electronic device chassis, the mounting device comprising:
  - a tray adapted to be attached to the chassis, the tray comprising a plurality of pairs of mounting sections;
  - a plurality of brackets for mounting the fans therein, each of the brackets comprising a closed end for supporting a corresponding fan thereon and an open end, the closed end being fixed with a corresponding pair of mounting sections; and
  - a plurality of fasteners locking open ends of the brackets respectively to thereby cause the brackets to respectively firmly sandwich the fans therein.
2. The mounting device as claimed in claim 1, wherein each bracket is U-shaped and comprises a bottom plate at the closed end and a pair of side plates.
3. The mounting device as claimed in claim 2, wherein each of the side plates defines a locking hole adjacent said open end, and each of the fasteners comprises a pair of locking ends engaging in the locking holes of the corresponding bracket.
4. The mounting device as claimed in claim 2, wherein each side plate of the bracket defines an outlet corresponding to an outlet of a corresponding fan, a core is defined in a center of the outlet, and a plurality of ribs is arranged in the outlet extending between the core and peripheral portions of the side plate surrounding the outlet.
5. The mounting as claimed in claim 4, wherein a pair of fingers is formed on the core and an upper portion of one side plate for holding leads of the fan.
6. The mounting device as claimed in claim 2, wherein each pair of mounting

sections has a contour corresponding to a contour of an outlet of the corresponding fan.

7. The mounting device as claimed in claim 6, wherein each pair of mounting sections defines two pairs of coaxial mounting holes, each bracket defines two pairs of coaxial mounting holes in the side plates adjacent the closed end thereof, and a pair of bolts is extended through the mounting holes to mount said bracket to the tray.
8. A mounting device assembly comprising:  
a chassis providing a plurality of electronic components therein;  
a plurality of fans for improving heat dissipation of the electronic components;  
and  
a mounting device for mounting the fans to the chassis, the mounting device comprising:  
a tray mounted in the chassis; and  
a plurality of brackets each mounting a corresponding fan therein, the brackets being fixed with respect to the tray before the fans are mounted to the chassis.
9. The mounting device assembly as claimed in claim 8, wherein each of the brackets comprises a closed end supporting a corresponding fan thereon and an open end opposing to the closed end.
10. The mounting device assembly as claimed in claim 9, wherein the tray comprises a plurality of pairs of mounting sections each pair fixedly engaging with a corresponding bracket adjacent the closed thereof.
11. The mounting device assembly as claimed in claim 9, wherein the mounting device further comprises a plurality of fasteners locking open ends of the brackets respectively to thereby sandwich the fans in the brackets respectively.

12. The mounting device assembly as claimed in claim 11, wherein each bracket is U-shaped and comprises a bottom plate formed at the closed end and a pair of side plates.
13. The mounting device assembly as claimed in claim 12, wherein each of the side plates defines a locking hole adjacent said open end, and each of the fasteners comprises a pair of locking ends engaging in the locking holes of a corresponding bracket.
14. The mounting device assembly as claimed in claim 12, wherein each of the fans defines a pair of mounting apertures, and each of the side plates forms a post in an inner side thereof, the post being received in a corresponding mounting aperture to thereby position the fan in the corresponding bracket.
15. The mounting device assembly as claimed in claim 12, wherein each fan defines an outlet, each of the side plates defines an outlet having a contour corresponding to a contour of the outlet of a corresponding fan, and the mounting sections of the tray each having a contour corresponding to a contour of the outlet of a corresponding fan.
16. A mounting device assembly comprising:  
a plurality of fans vertically side by side arranged with one another along a longitudinal direction, each of said fans defining a first rectangular dimension in a lateral direction perpendicular to said longitudinal direction, each of said fans generating air flow along said lateral direction;  
a plurality of bracket units vertically side by side arranged with one another along said longitudinal direction, each of said bracket units receiving one corresponding fan therein and defining a second rectangular dimension in said lateral direction and in compliance with said first rectangular dimension, and further defining a U-shaped cross-sectional configuration in said longitudinal direction and in compliance with a thickness of said corresponding fan,

each of said bracket units defining opposite outlets in opposite side plates thereof in said lateral direction; and

a plurality of fastening devices securing each of the bracket units and the corresponding fan together.

17. The assembly as claimed in claim 16, further including an elongated unitary tray having a U-shaped cross-sectional configuration defining a thickness therebetween in compliance with that of the U-shaped cross-sectional configuration of each of the bracket units, wherein at least bottom portions of said plurality of bracket units are receivably secured to the tray.
18. The assembly as claimed in claim 17, wherein some of the securing devices secure the bracket units to the tray.
19. The assembly as claimed in claim 17, wherein said bracket units and said tray are discrete from each other.
20. The assembly as claimed in claim 16, wherein the bracket units are discrete from one another.